



Naval Safety Center

Capt Chris Foley, USMC

Aviation Safety Officer

**Assistant Aviation Maintenance and Material
Division**

Organization & Services



- Organization
- Mission
- Publications
- Services
- Top Ten Survey Discrepancies



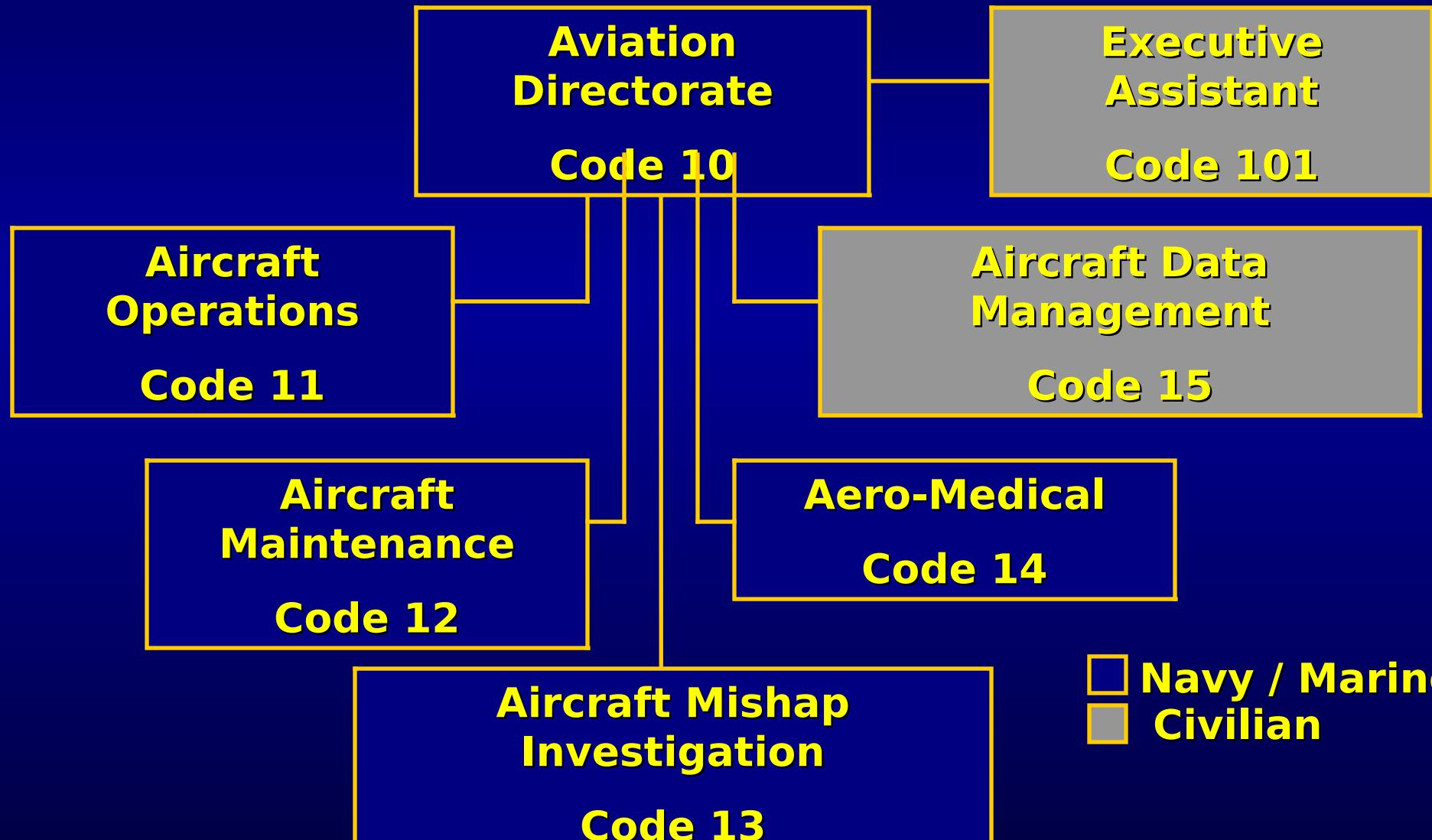
Homepage: www.safetycenter.navy.mil/

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Aviation Directorate Organization

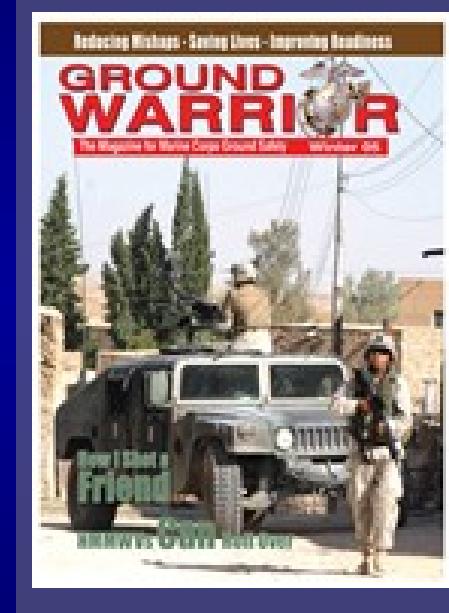
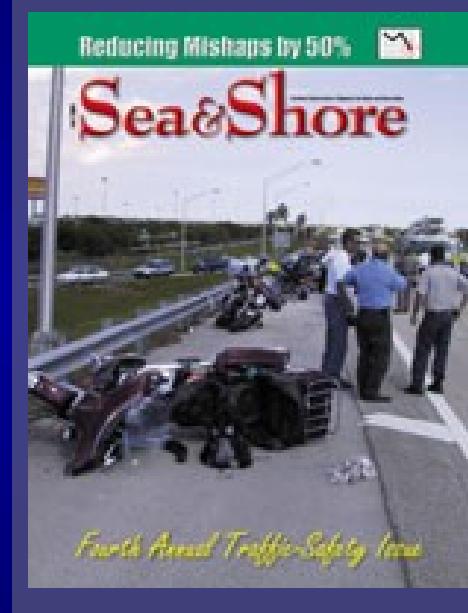
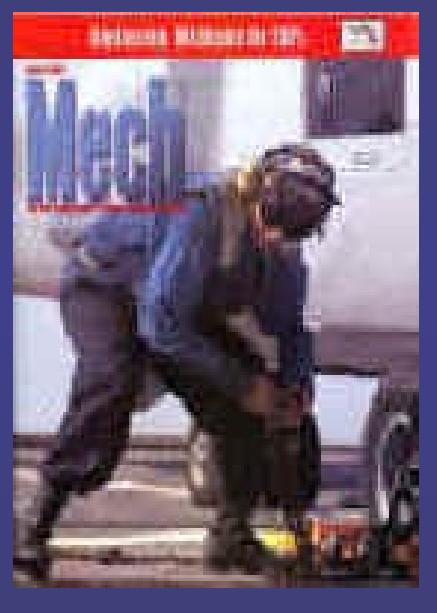
Code 10



Mission

To promote safety **AWARENESS**
and contribute to operational
readiness through fleet
interaction, support and service.

Publications



Aircraft Operations

(Code 11)

- **Conduct Class A Mishap Analysis/Close Out**
- **Track and Analyze HAZREPs**
- **Provide Mishap Intervention Strategies**
- **Provide Data Retrieval and Analysis**

Aircraft Mishap Investigation (Code 13)

- **Support Class “A” Flight Mishaps**
- **Provide immediate, on-scene assistance to AMB**
- **Provide conduit to necessary resources (EI, data retrieval, etc.)**

Aero-medical (Code 14)

- Aeromedical Analysis & Summaries for MIRs
- Human Factors: Prevention of human error mishaps (aircrew and maintainers)
- Physiology Support

Aviation Data Management (Code 15)

- **Data input and coding**
- **Refine Reporting Requirements**
- **Provide Data Retrieval Services**

Aircraft Maintenance / Material (Code 12)

- **Services**

- Safety Surveys
- Presentations
- Web Based Tools
- Technical Support

Code 12 Services

• **Safety Surveys** (In conjunction w/ OPS & Aero Med)

- 75-100 per year
- Voluntary “snapshot”
- 10 surveyors (1 Off., 1 MCPO)
- One day event (large commands 2)
- CSEC based
- 2 yr cycle recommended
- Results are advisory to CO

Code 12 Services

(cont.)

Presentation



Maintenance Malpractice



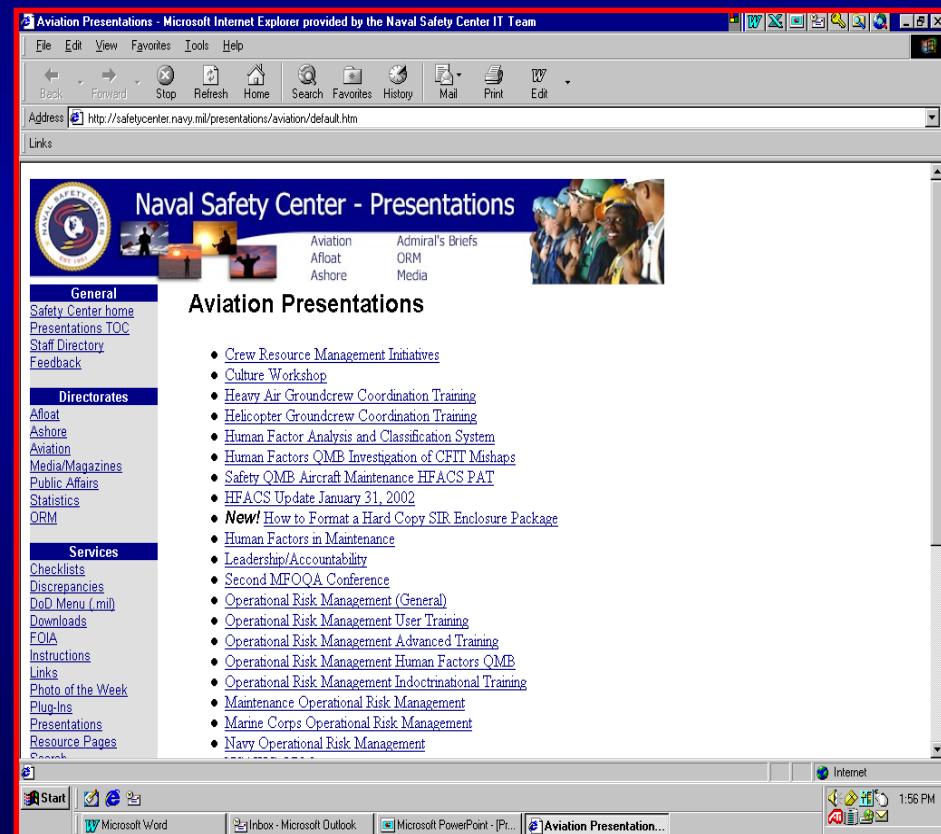
Khaki Risk Management

Code 12 Services

- WEB Based Tools *(cont.)*

- FAQ
- ORM examples / guides
- Top Ten
- Monthly Maintenance Mishap Summary
- Self Assessment Tools
- Checklists
- Program Guides
- Process Observation Guides

<http://www.safetycenter.navy.mil/>



Code 12 Services

(cont.)

- Technical Support
 - Answer questions
 - Phone-con
 - Individual E-mail
 - via WEB server at
**aviationfeedback@safetycenter.n
avy.mil**
 - Program / policy clarification
 - Platform / system statistical data

Code 12 Services

(cont.)

- Maintenance Safety Conference
 - Annual event
 - “User level” info sharing
 - Policy / program info with safety focus

Top Survey Discrepancies

FY 2004

Tool Control

FOD

Hydraulic Contamination

SE Pre-ops / Calibration

HAZMAT

Battery Safety

Training / Quals

Logs / Records

AVGFE

CTPL

Top Survey Discrepancies

1. Tool Control

- No daily inventories by supervisors
- No contractor tool checks by QA
- Multi-piece tools are not properly identified
- Outdated / incomplete shortage lists
- Incomplete or missing tool reports

Top Survey Discrepancies

2. FOD

- Poor pre-ex / parts accountability
- Poor housekeeping
- FOD in toolboxes

Top Survey Discrepancies

3. Hydraulic Contamination

- Improper pre-operational inspections being conducted on HSU's (52 cards not annotated)
- Trend analysis logbook entries do not follow a logical sequence of sampling
- Removed hydraulic components, lines, and hoses are not protected from contamination
- Patch test kits are incomplete, not maintained, and do not have compliant

Top Survey Discrepancies

4. SE Pre-ops / Calibration

- Gear overdue or not calibrated
- Broken or illegible calibration stickers
- SE pre-ops not being preformed or logged on the 52 cards
- FOD in or on SE gear
- SE acceptance / transfer checklist not performed

Top Survey Discrepancies

5. HAZMAT

- Flammable storage lockers missing bungs
- Oxidizers stored with incompatible corrosives
- AULS do not comply with current instructions
- No MSDS for materials on AUL

Top Survey Discrepancies

6. Battery Safety

- Battery locker PPE is either missing or in poor condition. PPE not utilized during routine battery maintenance
- Activity does not have neutralizing solution of 6.0 ounces sodium bicarbonate (baking soda) to 1.0 gallon of water (Lead Acid batteries) or 1 quart of distilled white vinegar to 1 gallon (NICAD batteries) available to neutralize spilled acid

Top Survey Discrepancies

7. Training / Qualifications

- QAR cross training
- No review of training jackets
- Not all subjects required by NAMP covered
- Operation of overhead cranes with no qualifications or training
- Expired respirator physicals / fit tests

Top Survey Discrepancies

8. Aircraft Logs / Records

- Monthly Flight Hour Summary and Equipment Operating Record *calculations incorrect*
- High-time component tracking / SRC card does not match NALCOMIS information
- Lists 02 and 04s not being verified with NALDA
- List 02 not annotated when new TD is received

Top Survey Discrepancies

9. AVGFE

- Entry certificates are invalid and incorrect
- Lack of a rescue plan and / or simulated rescue drill or documentation that training was conducted
- Hangar facility not certified for fuel cell work
- AVGFE's certifications lack a date of designation by the CO at the time of

Top Survey Discrepancies

10. CTPL

- IRACs not incorporated correctly (page affected by the IRAC does not refer to IRAC)
- CTPL personnel are not receiving the required training

QUESTIONS

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**Thanks for your
attention and
Think Safety.**

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